

Abstract

5 **Microbattery with at least one electrode and electrolyte each
comprising a common grouping $[XY_1Y_2Y_3Y_4]$ and method for production
of said microbattery.**

10 A microbattery comprises, in the form of thin layers, at least first and second
electrodes between which a solid electrolyte is disposed. The first electrode
and the electrolyte both comprise at least one common grouping of
15 $[XY_1Y_2Y_3Y_4]$ type, where X is located in a tetrahedron whose peaks are
respectively formed by the chemical elements Y_1 , Y_2 , Y_3 and Y_4 , the chemical
element X being selected from the group consisting of phosphorus, boron,
silicon, sulphur, molybdenum, vanadium and germanium and the chemical
15 elements Y_1 , Y_2 , Y_3 and Y_4 being selected from the group consisting of
sulphur, oxygen, fluorine and chlorine.